

Mineral Industry Surveys

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COPPER IN JULY 2013

Average daily mine production of recoverable copper was essentially unchanged in July from that in June, and year-to-date mine production through July was 10% higher than that in the same period of 2012. The U.S. average daily smelter and electrolytic refinery production increased in July by 76% and 9%, respectively, compared with that in June, the former mainly as a result of a smelter restart following a planned maintenance shutdown in June. Year-to-date smelter and electrolytic refinery production through July were 15% and 10% higher, respectively, than that in the same period of 2012.

The monthly average spot COMEX copper price decreased slightly compared with the price in June and was at its lowest level since July 2010. Since January, the average monthly price of copper had decreased by 14%. On July 30, the COMEX price reached a low of \$3.04 per pound for the month. The copper price decline was in large part attributed to concerns about economic growth in China, expectations that the U.S. Federal Reserve may begin cutting its bond purchases in the second half of 2013, and a potential surplus of copper production developing during 2013 (Platts Metals Daily, 2013; Angel and Onstad, 2013).

According to preliminary data from the International Copper Study Group (ICSG) (2013), world copper mine production was an estimated 8.7 million metric tons (Mt) in the first half of

2013, an increase of 8.8% compared with production in the first half of 2012. Mine capacity utilization increased to 82.3% in the first half of 2013 from 79.2% in the first half of 2012. World refined copper production increased by 5.5% to 10.4 Mt and refinery capacity utilization was unchanged at 79%.

The ICSG (International Copper Study Group, 2013) also reported that refined copper production in the first half of 2013 exceeded consumption by 18,000 metric tons (t). After making seasonal adjustments for production and consumption, the production surplus increased to 183,000 t. In the first half of 2012, the production deficit of refined copper was 529,000 t (373,000 t after seasonal adjustments).

References Cited

- Angel, Maytaal, and Onstad, Eric, 2013, Metals—Copper hits week low after Bernanke, rise in mine output: Thomson Reuters, July 17. (Accessed September 10, 2013, at <http://www.reuters.com/article/2013/07/17/markets-metals-idUSL6N0FN2OT20130717>.)
- International Copper Study Group, 2013, Copper—Preliminary data for first half 2013: Lisbon, Portugal, International Copper Study Group press release, September 24, 1 p. (Accessed October 29, 2013, at <http://www.icsg.org/index.php/press-releases/finish/114-monthly-press-release/1597-2013-09-24-monthly-press-release>.)
- Platts Metals Daily, 2013, Daily prices: Platts Metals Daily, v. 2, no. 149, June 28, p. 14.

TABLE 1
SALIENT STATISTICS OF THE COPPER INDUSTRY IN THE UNITED STATES¹

(Metric tons, unless otherwise specified)

	Source table ²	2013				
		2012 ^p	May	June	July	January– July
Production:						
Primary:						
Mine, recoverable	(2)	1,170,000	105,000	103,000	106,000	708,000
Refinery:						
Electrolytic, domestic and foreign	(4)	491,000	36,600	35,900	40,200	286,000
Electrowon	(4)	471,000	42,300	40,400	39,800	274,000
Total	(4)	962,000	78,900	76,300	80,000	560,000
Secondary recoverable copper:						
Refineries	(5)	39,500	4,910	4,910	4,680	31,300
Ingot makers ³	(5)	76,400	6,360	6,360	6,360	44,500
Brass and wire-rod mills	(5)	572,000	48,500	47,400	48,300	335,000
Foundries, etc. ³	(5)	57,000	4,750	4,750	4,750	33,300
Smelter, total	(3)	485,000	45,000	25,000	45,600	289,000
Consumption:						
Apparent	(8)	1,770,000	182,000	157,000	165,000	1,080,000
Refined (reported)	(7)	1,760,000	158,000	156,000	151,000	1,080,000
Purchased copper-base scrap	(9)	946,000	80,500	79,600	80,200	559,000
Stocks at end of period:						
Total refined	(10)	236,000	316,000	313,000	306,000	306,000
Blister, etc.	(10)	12,300	28,700	11,500	12,800	12,800
Prices, U.S. producer cathode (cents per pound) ⁴	(11)	367.276	335.728	323.771	320.051	344.372
Imports:⁵						
Ore and concentrate ⁶	(13)	6,290	3	13	--	74
Refined	(13)	630,000	83,600	69,200	70,000	518,000
Exports:⁵						
Ore and concentrate ⁶	(14)	301,000	47,900	24,500	27,900	208,000
Refined	(14)	159,000	5,740	4,890	8,270	38,200

^pPreliminary. -- Zero.

¹Data are rounded to no more than three significant digits, except prices; may not add to totals shown.

²Numbers in parentheses refer to the tables where these data are located.

³Monthly data estimated based on 2011 monthly average.

⁴Source: Platts Metals Week.

⁵Source: U.S. Census Bureau.

⁶Copper content.

TABLE 2
MINE PRODUCTION OF RECOVERABLE COPPER IN THE UNITED STATES¹

(Metric tons)

Period	Recoverable copper			Contained copper		
	Arizona	Others ²	Total	Electrowon	Concentrates ³	Total
2012: ^p						
July	60,700	27,700	88,400	37,100	53,400	90,500
August	66,200	40,000	106,000	39,100	69,700	109,000
September	60,900	34,600	95,600	37,400	60,500	98,000
October	64,000	40,500	105,000	43,000	63,800	107,000
November	67,500	43,300	111,000	41,200	72,300	114,000
December	64,500	43,500	108,000	38,400	72,200	111,000
January–December	763,000	404,000	1,170,000	471,000	724,000	1,200,000
2013:						
January	66,500	44,100	111,000	39,400	73,900	113,000
February	57,700	32,100	89,800	34,500	57,200	91,800
March	66,500	35,700	102,000	38,800	65,900	105,000
April	64,100	28,000	92,200	39,100	55,300	94,400
May	70,700	34,100	105,000	42,300	65,000	107,000
June	64,900	37,700	103,000	40,400	64,700	105,000
July	68,200	37,900	106,000	39,800	69,100	109,000
January–July	459,000	250,000	708,000	274,000	451,000	726,000

^pPreliminary.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes production from Alaska, Idaho, Missouri, Montana, Nevada, New Mexico, and Utah.

³Includes copper content of precipitates and other metal concentrates.

TABLE 3
COPPER PRODUCED AT SMELTERS IN
THE UNITED STATES^{1,2}

(Metric tons, copper content)

Period	Anode production
2012: ^p	
July	49,400
August	44,400
September	47,500
October	53,800
November	47,200
December	40,800
January–December	485,000
2013:	
January	39,000
February	46,600
March	44,000
April	44,100
May	45,000
June	25,000
July	45,600
January–July	289,000

^pPreliminary.

¹Includes blister and copper anode from primary or secondary sources.

²Data are rounded to no more than three significant digits; may not add to total shown.

TABLE 4
PRODUCTION OF REFINED COPPER, BY SOURCE AND METHOD OF RECOVERY¹

(Metric tons)

Period	Primary materials			Scrap	Total refined
	Electrolytically refined ²	Electrowon	Total		
2012: ^P					
July	42,600	37,100	79,800	2,810	82,600
August	46,000	39,100	85,200	2,770	87,900
September	41,800	37,400	79,300	3,070	82,400
October	46,500	43,000	89,600	4,510	94,100
November	47,700	41,200	88,900	4,010	92,900
December	48,900	38,400	87,300	4,010	91,300
January–December	491,000	471,000	962,000	39,500	1,000,000
2013:					
January	46,100	39,400	85,500	3,870	89,400
February	38,000	34,500	72,600	3,660	76,200
March	43,200	38,800	82,000	4,550	86,600
April	45,500	39,100	84,600	4,770	89,400
May	36,600	42,300	78,900	4,910	83,800
June	35,900	40,400	76,300	4,910	81,200
July	40,200	39,800	80,000	4,680	84,700
January–July	286,000	274,000	560,000	31,300	591,000

^PPreliminary.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²From domestic and foreign source materials.

TABLE 5
COPPER RECOVERABLE IN UNALLOYED AND ALLOYED FORM FROM PURCHASED COPPER-BASE SCRAP¹

(Metric tons, copper content)

Period	Refineries ²		Ingot makers ³		Brass and wire-rod mills		Foundries, etc. ³		Total ⁴
	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2012: ^P									
July	1,350	1,460	981	5,380	43,800	3,180	2,790	1,970	60,900
August	1,320	1,450	981	5,380	44,000	3,090	2,790	1,970	61,000
September	1,560	1,510	981	5,380	43,800	2,610	2,790	1,970	60,600
October	1,680	2,830	981	5,380	44,700	3,020	2,790	1,970	63,400
November	1,300	2,710	981	5,380	44,100	3,140	2,790	1,970	62,400
December	1,420	2,590	981	5,380	42,700	2,500	2,790	1,970	60,400
January–December	17,900	21,600	11,800	64,600	544,000	28,300	33,400	23,600	745,000
2013:									
January	1,490	2,380	981	5,380	44,900	3,280	2,790	1,970	63,100
February	1,320	2,330	981	5,380	44,300	2,870	2,790	1,970	61,900
March	1,330	3,230	981	5,380	44,300	2,850	2,790	1,970	62,800
April	1,500	3,270	981	5,380	45,600	2,880	2,790	1,970	64,400
May	1,620	3,290	981	5,380	45,600	2,900	2,790	1,970	64,500
June	1,620	3,290	981	5,380	44,500	2,910	2,790	1,970	63,500
July	1,440	3,250	981	5,380	45,400	2,860	2,790	1,970	64,100
January–July	10,300	21,000	6,870	37,700	315,000	20,500	19,500	13,800	444,000

^PPreliminary.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Electrolytically refined and fire-refined from scrap based on source of material at smelter or refinery level.

³Monthly data and 2012 cumulative data estimated based on 2011 annual data.

⁴Does not include an estimate, based on reported 2011 data, of 2,640 tons per month from new scrap and 2,420 tons per month from old scrap, of copper recovered from scrap other than copper-base.

TABLE 6
PRODUCTION, SHIPMENTS, AND STOCKS OF BRASS AND WIRE-ROD SEMIFABRICATES¹

(Metric tons, gross weight)

Period	Production		Shipments		Stocks, end of period	
	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills
2012: ^P						
July	80,300	104,000	79,000	105,000	30,500	21,700
August	81,000	116,000	80,000	118,000	31,400	19,600
September	80,400	107,000	80,100	102,000	31,700	24,700
October	78,300	105,000	78,500	111,000	31,500	18,900
November	76,200	97,300	77,500	98,300	30,200	18,000
December	78,300	87,300	77,100	77,400	31,400	27,900
January–December	953,000	1,280,000	951,000	1,280,000	31,400	27,900
2013:						
January	78,400	105,000	79,500	115,000	30,400	17,700
February	77,300	111,000	78,100	108,000	29,600	21,000
March	79,700	114,000	80,200	112,000	29,000	22,700
April	81,600	112,000	81,200	115,000	29,400	19,600
May	81,100	115,000	80,900	115,000	29,600	20,100
June	80,600	110,000	80,200	106,000	30,100	24,400
July	80,300	109,000	79,600	113,000	30,800	20,800
January–July	559,000	776,000	560,000	783,000	30,800	20,800

^PPreliminary.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 7
CONSUMPTION OF REFINED COPPER¹

(Metric tons)

Period and item	Brass mills	Wire-rod mills	Other plants ²	Total
2012: ^P				
July	34,600	104,000	5,140	143,000
August	36,500	116,000	5,140	158,000
September	35,000	108,000	5,140	148,000
October	34,800	104,000	5,140	144,000
November	34,200	97,700	5,140	137,000
December	34,600	86,800	5,140	127,000
January–December	424,000	1,280,000	61,600	1,760,000
2013:				
January	36,300	104,000	5,140	146,000
February	37,600	111,000	5,140	154,000
March	38,100	114,000	5,140	157,000
April	37,900	112,000	5,140	155,000
May	38,400	115,000	5,140	158,000
June	41,200	110,000	5,140	156,000
July:				
Cathodes	27,900	109,000	1,930	139,000
Wire bars	--	--	W	W
Ingots and ingot bars	1,240	--	1,380	2,620
Cakes and slabs	W	--	W	W
Billets and other	6,670	508	1,830	9,010
Total	35,800	110,000	5,140	151,000
January–July	265,000	776,000	36,000	1,080,000

^PPreliminary. W Withheld to avoid disclosing company proprietary data; included with "Billets and other." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Monthly and 2012 cumulative consumption data by ingot makers, chemical plants, foundries, and miscellaneous manufacturers is estimated based on 2011 annual data.

TABLE 8
U.S. APPARENT CONSUMPTION OF COPPER¹

(Metric tons)

Period	Refined copper production	Copper in old scrap ²	Refined general imports ³	Refined exports ³	Stock change during period	Apparent consumption
2012: ^p						
July	79,800	14,400	53,400	4,940	(10,200)	153,000
August	85,200	14,300	49,500	5,700	(7,040)	150,000
September	79,300	13,900	46,200	4,280	(5,070)	140,000
October	89,600	15,600	52,600	3,160	6,660	148,000
November	88,900	15,600	64,700	3,320	9,250	157,000
December	87,300	14,900	66,100	2,510	32,400	133,000
January–December	962,000	167,000	628,000	159,000	(173,000)	1,770,000
2013:						
January	85,500	15,400	86,800	3,540	25,200	159,000
February	72,600	15,000	64,600	5,300	14,700	132,000
March	82,000	15,800	87,200	5,110	32,300	148,000
April	84,600	15,900	55,100	5,380	17,500	133,000
May	78,900	16,000	83,600	5,740	(9,400)	182,000
June	76,300	16,000	67,100	4,890	(2,760)	157,000
July	80,000	15,900	69,700	8,270	(7,460)	165,000
January–July	560,000	110,000	514,000	38,200	70,100	1,080,000

^pPreliminary.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes reported monthly production of copper from old scrap of copper-base, an estimate for annual reporters, and a monthly average of copper from non-copper-base materials based on 2011 data.

³Source: U.S. Census Bureau.

TABLE 9
CONSUMPTION OF PURCHASED COPPER-BASE SCRAP¹

(Metric tons, gross weight)

Period	Smelters and refineries		Ingot makers ²		Brass and wire-rod mills ³		Foundries, etc. ²		Total scrap used
	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2012: ^p									
July	1,390	1,500	2,400	7,490	54,700	3,280	4,330	2,100	77,200
August	1,360	1,490	2,400	7,490	55,400	3,240	4,330	2,100	77,800
September	1,610	1,560	2,400	7,490	55,100	2,720	4,330	2,100	77,400
October	1,940	2,690	2,400	7,490	56,000	3,170	4,330	2,100	80,100
November	1,530	2,590	2,400	7,490	55,200	3,260	4,330	2,100	78,900
December	1,500	2,630	2,400	7,490	53,700	2,560	4,330	2,100	76,700
January–December	18,900	21,800	28,800	89,900	680,000	29,500	52,000	25,200	946,000
2013:									
January	1,540	2,640	2,400	7,490	56,700	3,350	4,330	2,100	80,500
February	1,360	2,600	2,400	7,490	56,000	2,940	4,330	2,100	79,200
March	1,370	2,600	2,400	7,490	55,600	2,910	4,330	2,100	78,800
April	1,550	2,640	2,400	7,490	56,900	2,950	4,330	2,100	80,400
May	1,700	2,680	2,400	7,490	56,800	2,980	4,330	2,100	80,500
June	1,670	2,680	2,400	7,490	55,900	3,010	4,330	2,100	79,600
July	1,480	2,630	2,400	7,490	56,900	2,920	4,330	2,100	80,200
January–July	10,700	18,500	16,800	52,400	395,000	21,100	30,300	14,700	559,000

^pPreliminary.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Monthly data estimated from 2011 annual data.

³Consumption at brass and wire-rod mills assumed equal to receipts.

TABLE 10
COPPER STOCKS AT END OF PERIOD¹

(Metric tons)

Period	Crude copper ²	Refined copper					LME ⁵	Total refined
		Refineries ³	Wire-rod mills ³	Brass mills ³	Other ⁴	Comex		
2012: ^P								
July	12,300	4,160	18,900	7,220	4,330	43,700	121,000	199,000
August	12,500	2,220	22,400	6,570	4,330	46,100	111,000	192,000
September	16,700	3,900	16,100	6,120	4,330	45,700	111,000	187,000
October	19,700	4,990	27,100	6,020	4,330	51,300	100,000	194,000
November	18,600	7,760	28,100	6,300	4,330	58,400	98,400	203,000
December	12,300	12,900	28,100	6,540	4,330	64,100	120,000	236,000
2013:								
January	8,620	12,500	31,300	6,370	4,330	67,200	139,000	261,000
February	20,100	12,400	26,300	6,460	4,330	68,100	158,000	276,000
March	17,900	9,350	23,700	6,090	4,330	69,200	195,000	308,000
April	21,800	6,520	26,200	6,280	4,330	77,600	205,000	325,000
May	28,700	5,870	24,400	6,940	4,330	72,400	202,000	316,000
June	11,500	7,150	20,800	7,160	4,330	65,800	208,000	313,000
July	12,800	7,880	14,600	7,840	4,330	58,600	213,000	306,000

^PPreliminary.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Copper content of blister and anode.

³Stocks of refined copper as reported; no estimates are made for nonrespondents.

⁴Monthly estimates based on reported and 2011 annual data, comprising stocks at ingot makers, chemical plants, foundries, and miscellaneous manufacturers.

⁵London Metal Exchange Ltd., U.S. warehouses.

TABLE 11
AVERAGE PRICE OF COPPER IN THE UNITED STATES
AND ON THE LONDON METAL EXCHANGE

(Cents per pound)

Period	U.S. producers delivered price cathode ¹	Comex first position ²	LME cash price Grade A
2012:			
July	349.728	343.902	344.217
August	347.628	341.802	339.827
September	377.692	371.866	365.959
October	373.819	367.993	366.006
November	356.186	350.360	348.989
December	368.189	362.363	361.154
Year	367.276	361.450	360.580
2013:			
January	372.564	366.738	365.086
February	372.471	366.645	366.049
March	352.474	346.648	347.553
April	333.544	327.718	326.721
May	335.728	329.902	327.884
June	323.771	317.945	317.683
July	320.051	314.225	312.639
January–July	344.372	338.546	337.659

¹Listed as "U.S. producer cathode."

²Listed as "Comex high grade first position."

Source: Platts Metals Week.

TABLE 12
NEW YORK AVERAGE BUYING PRICES FOR COPPER SCRAP

(Cents per pound)

Month	Brass mills No. 1 scrap	Refiners No. 2 scrap	Dealers (New York)	
			No. 2 Scrap	Red brass turnings and borings
2012:				
July	340.29	310.00	277.50	190.00
August	338.48	307.09	277.50	190.00
September	365.42	333.76	290.39	195.26
October	357.89	325.41	297.50	200.00
November	341.40	310.03	285.25	195.75
December	356.06	325.89	294.44	196.94
Year	354.19	322.35	289.91	195.35
2013:				
January	359.76	331.38	297.74	200.00
February	359.05	331.05	301.97	199.74
March	341.29	314.14	291.55	194.76
April	324.64	298.55	267.50	187.50
May	325.76	302.55	272.50	188.00
June	315.60	292.95	269.00	186.10
July	312.64	292.00	255.23	180.00
January–July	334.11	308.95	279.36	190.87

Source: American Metal Market.

TABLE 13
U.S. IMPORTS FOR CONSUMPTION OF COPPER (UNMANUFACTURED), BY CLASS¹

(Metric tons, copper content)

Country or territory	Ore and concentrate			Matte, ash, and precipitates			Blister and anodes			Refined		
	2013			2013			2013			2013		
	2012	July	January– July	2012	July	January– July	2012	July	January– July	2012	July	January– July
Belgium	143	--	--	170	--	138	--	--	--	384	6	6
Brazil	--	--	--	--	--	--	--	--	--	--	--	4,050
Canada	186	--	58	224	3	116	12	--	1	115,000	14,700	99,200
Chile	--	--	--	--	--	--	--	--	--	402,000	44,800	352,000
China	--	--	13	180	--	--	1	--	--	67	15	44
Finland	--	--	--	--	--	--	260	17	134	137	113	330
Germany	15	--	--	--	--	--	--	--	--	2,230	274	1,100
Japan	--	--	--	2	--	1	25	--	1	4,700	527	3,350
Mexico	5,940	--	--	369	40	260	--	--	--	88,200	6,400	42,800
Netherlands	--	--	--	338	--	65	3	--	(2)	6	--	(2)
Peru	--	--	--	--	--	--	--	--	511	16,400	543	8,630
Other	10	--	3	218	14	115	253	--	63	789	2,660	6,360
Total	6,290	--	74	1,500	57	695	554	17	710	630,000	70,000	518,000

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 14
U.S. EXPORTS OF COPPER (UNMANUFACTURED), BY CLASS¹

(Metric tons, copper content)

Country or territory	Ore and concentrate			Matte, ash, and precipitates			Blister and anodes			Refined		
	2013			2013			2013			2013		
	2012	July	January– July	2012	July	January– July	2012	July	January– July	2012	July	January– July
Canada	13,300	1,360	5,080	34,900	1,450	16,000	3,100	315	1,740	757	27	1,030
China	118,000	2,900	54,300	460	--	78	149	7	89	100,000	3,440	5,310
Germany	104	--	4	284	--	62	409	60	321	84	31	47
Hong Kong	--	--	1	4	--	--	1,530	138	889	84	21	129
Italy	--	--	--	--	--	--	189	--	114	47	--	--
Japan	14,100	--	12,800	--	--	756	863	80	488	1,410	275	1,740
Korea, Republic of	14,400	--	3,190	--	--	--	1,090	94	583	105	--	--
Mexico	120,000	23,500	131,000	--	--	--	164	9	94	54,000	4,410	28,800
Singapore	--	--	--	15	20	69	62	16	100	3	1	2
Spain	(2)	--	--	--	--	--	110	--	58	209	--	609
Sweden	--	--	--	--	--	--	12	--	1	638	--	37
Switzerland	--	--	--	--	--	--	45	--	34	23	--	5
Taiwan	4	--	--	--	--	--	3,750	134	1,400	4	16	56
Other	21,300	63	1,940	212	66	501	2,430	143	1,140	998	48	417
Total	301,000	27,900	208,000	35,800	1,540	17,500	13,900	996	7,050	159,000	8,270	38,200

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 15
U.S. COPPER SCRAP IMPORTS¹

(Metric tons, gross weight)

Country or territory	Unalloyed			Alloyed		
	2013			2013		
	2012	July	January– July	2012	July	January– July
Canada	14,300	1,110	8,170	32,600	3,070	18,800
Chile	42	22	44	192	--	14
Costa Rica	582	16	80	1,750	200	1,210
Guatemala	558	40	279	2,520	146	1,200
Honduras	53	5	5	1,100	75	585
Japan	20	--	2	(2)	--	4
Mexico	9,040	687	5,720	26,500	2,500	16,100
Nicaragua	921	53	490	660	28	225
Other	4,910	337	2,170	8,800	673	4,750
Total	30,500	2,270	17,000	74,100	6,690	43,000

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 16
U.S. COPPER SCRAP EXPORTS¹

(Metric tons, gross weight)

Country or territory	Unalloyed							Alloyed				
	2012	2013						2012	2013			
		No. 1		No. 2		Other			Segregated		Unsegregated	
		July	January– July	July	January– July	July	January– July		July	January– July	July	January– July
Belgium	23,900	967	8,850	215	2,460	116	995	15,700	269	1,400	719	5,920
Canada	20,000	--	--	--	--	1,660	12,900	41,400	195	1,140	3,170	20,400
China	341,000	4,280	36,400	13,200	92,100	7,520	49,700	539,000	19,500	138,000	22,300	156,000
Germany	22,200	1,420	11,200	78	910	542	4,500	13,400	77	385	731	4,290
Hong Kong	4,820	43	847	62	1,120	129	2,590	43,900	455	4,600	4,490	25,800
India	1,260	51	193	--	172	--	23	8,880	340	3,390	210	1,510
Japan	9,470	63	591	100	558	35	861	8,760	756	2,970	611	4,440
Korea, Republic of	16,400	466	3,140	125	2,330	58	1,430	9,750	334	5,570	201	1,070
Mexico	3,960	165	953	10	201	--	386	5,340	37	424	246	1,940
Spain	4,270	316	1,630	--	658	--	--	8,070	--	114	581	4,110
Taiwan	2,990	158	1,020	439	1,910	19	19	3,200	268	926	762	2,310
Thailand	416	138	417	--	--	75	683	383	101	418	--	20
Other	29,000	1,260	9,120	381	2,440	83	973	17,800	1,530	5,360	722	5,530
Total	479,000	9,320	74,400	14,600	105,000	10,200	75,000	716,000	23,800	165,000	34,700	233,000

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.